



Eastern Research Group  
601 Keystone Park Drive  
Suite 700  
Morrisville, NC 27560

January 18, 2019

Ms. Doris Chen & Lewis Weinstock  
U.S. Environmental Protection Agency - OAQPS  
109 T.W. Alexander Drive, Mail Code: C304-06  
RTP, NC 27709  
Project Name: EtO Region 5

Dear Ms. Doris Chen & Lewis Weinstock,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 12/03/18 11:19 through 12/07/18 11:20.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift  
Program Manager  
[julie.swift@erg.com](mailto:julie.swift@erg.com)

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## CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

**ATTN:** Ms. Doris Chen & Lewis Weinstock

**PHONE:** (919) 541-4957 **FAX:** -

**FILE #:** 0344.00

**REPORTED:** 01/18/19 12:19

**SUBMITTED:** 12/03/18 to 12/07/18

**AQS SITE CODE:**

**SITE CODE:** EtO Region 5

### ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Gower MS	8120321-08	Air	11/29/18 09:27	12/03/18 11:19
Hindale South HS	8120701-03	Air	12/02/18 09:55	12/07/18 11:20
West Neighborhood	8120701-05	Air	12/02/18 10:10	12/07/18 11:20
WB Village Hall C1	8120701-08	Air	12/02/18 09:17	12/07/18 11:20

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AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Gower MS

Lab ID: 8120321-08

Sampled: 11/29/18 09:27

Pressure @ Receipt: 2.00" Hg

Canister #: 5083

Received: 12/03/18 11:19

Comments: Start 09:53 11/28/18 Probe #10311

Analyzed: 12/20/18 22:36

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.363	0.66		0.0453



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AQS SITE CODE:

SITE CODE: EtO Region 5

Description: Hindale South HS

Lab ID: 8120701-03

Sampled: 12/02/18 09:55

Pressure @ Receipt: 7.00" Hg

Canister #: 5135

Received: 12/07/18 11:20

Comments: Probe # 10076 Start 10:18 12/1/18

Analyzed: 12/21/18 17:37

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.348	0.63		0.0453

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AQS SITE CODE:

SITE CODE: EtO Region 5

Description: West Neighborhood

Lab ID: 8120701-05

Sampled: 12/02/18 10:10

Pressure @ Receipt: 5.00" Hg

Canister #: EPO92

Received: 12/07/18 11:20

Comments: Probe # 10310 Start 10:43 12/1/18

Analyzed: 12/21/18 19:39

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.445	0.80		0.0453

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AQS SITE CODE:

SITE CODE: EtO Region 5

Description: WB Village Hall C1

Lab ID: 8120701-08

Sampled: 12/02/18 09:17

Pressure @ Receipt: 3.50" Hg

Canister #: SAT079

Received: 12/07/18 11:20

Comments: Col 1 Probe # 10313 Start 09:21 12/1/18

Analyzed: 12/21/18 22:41

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.919	1.66		0.0453

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Analyte	Result	Units	% Difference	Limit (%)	Notes
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### Notes and Definitions

ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, ethylene oxide, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, trans-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.